

What is Claimed Is:

1. A gas sensor (10) for determining a physical property of a measuring gas, in particular for determining the temperature of the measuring gas or the concentration of a gas component of the measuring gas, including a sensor element (14), at least one contact surface (121) situated on the sensor element (14), and a contact piece (35) electrically connected to the contact surface (121), the contact piece (35) being clamped in a friction-type manner between the contact surface (121) and at least one press-on body (123) which is clamped against the sensor element (14) by a spring element (131) the spring element (131) at least partially gripping around the press-on body (123), wherein the spring element (131) has a groove (133).
2. The gas sensor as recited in Claim 1, wherein the groove (133) is provided in an area of the spring element (131) in which the spring element (131) rests against the press-on body (123).
3. The gas sensor as recited in Claim 1 or 2, wherein the groove (133) is provided on a side of the spring element (131) facing away from the press-on body (123).
4. The gas sensor as recited in one of the preceding claims, wherein the spring element (131) grips around the press-on body (123) and has a spring section (132) resting against the press-on body (123), in the clamped state the spring section being deformed in a direction which has an essential component parallel to the longitudinal axis of the sensor element (14).
5. The gas sensor as recited in Claim 4, wherein, in the area of the spring section (132), the spring element (131) has a groove (133) on its side facing away from the press-on body (123).

6. The gas sensor as recited in Claim 4 or 5,
wherein the groove (133) is situated centrally to the spring section (132).
7. The gas sensor as recited in one of Claims 4 through 6,
wherein the groove (133) has an oblong and/or a wedge-shape design with a rounded end in the direction of the spring section (132).
8. The gas sensor as recited in one of Claims 4 through 7,
wherein the spring section (132) of the spring element (131) is a radially inward oriented, tongue-shaped area.
9. The gas sensor as recited in one of Claims 4 through 8,
wherein the spring element (131) has two spring sections (132) approximately diametrically opposing one another.
10. The gas sensor as recited in one of the preceding claims,
wherein the spring element (131) is designed as a spring ring in the form of an annular disk having areas of different radial width.
11. The gas sensor as recited in one of the preceding claims,
wherein, in the unclamped state, the spring element (131) is a flat annular disk, and, in the clamped state, the spring section (132) or the spring sections (132) are bent out of the plane of the annular disk.
12. The gas sensor as recited in one of Claims 10 or 11,
wherein the outside of the spring element (131) has a flat design in the areas (134) adjacent to the groove (133), and this flat area (134) of the spring element (131) stands perpendicular to the axis defined by the two opposing spring sections (132).
13. The gas sensor as recited in one of the preceding claims,
wherein the spring element (131) clamps at least two press-on bodies (123), approximately diametrically opposing one another relative to the sensor element (14), against the sensor element (14).

14. The gas sensor as recited in one of the preceding claims,
wherein the spring element (131) is in the form of a stamping piece.